



Better Food. Better Health. Better World.

Standardizzazione Europea in ambito FOOD CONTACT Caso: EN 1186 (Migrazioni Globali)

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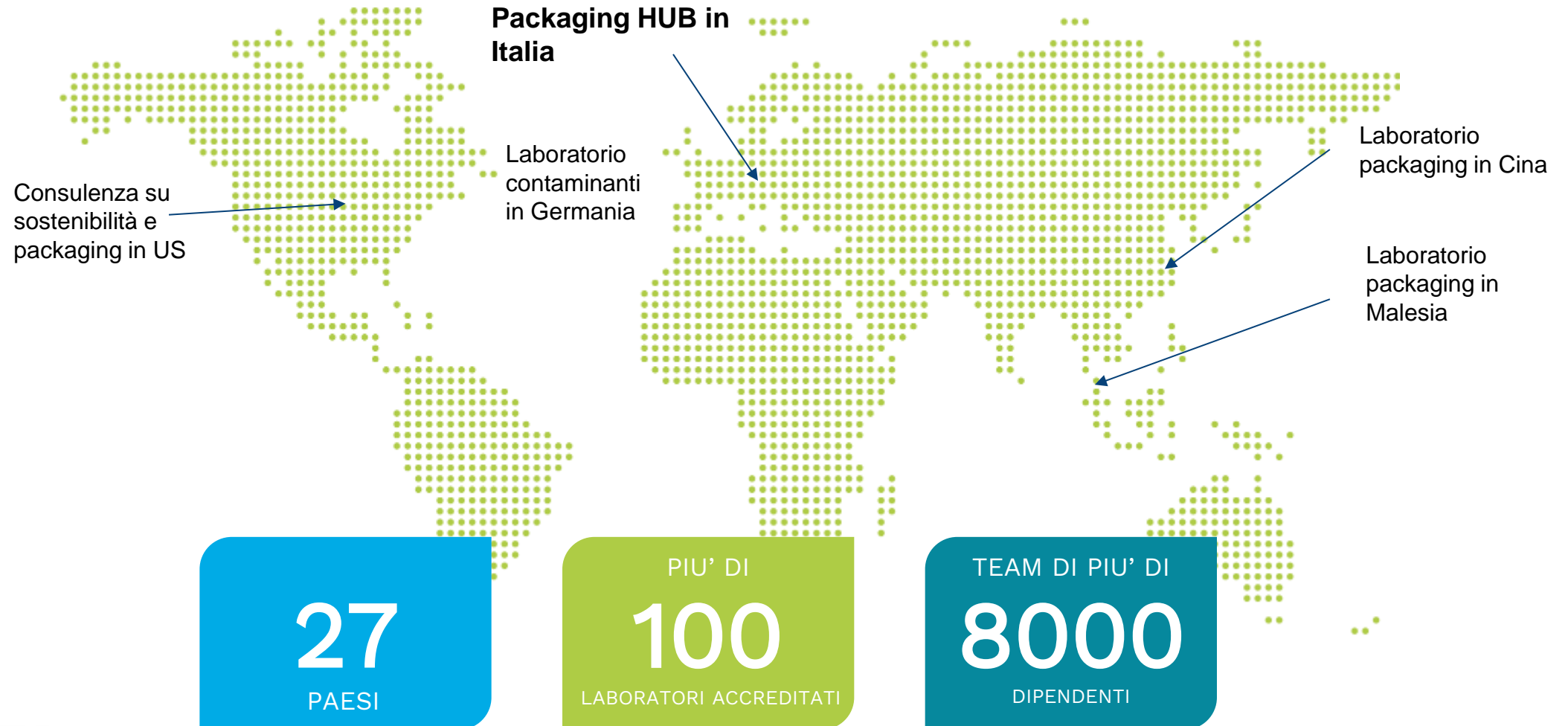
Project Managers Coordinator

Merieux NutriSciences Laboratory

Camera di commercio di Torino 27 Febbraio 2023



Mérieux NutriSciences Laboratories oggi



The European Union Reference Laboratory for Food Contact Materials (EURL-FCM)



EN English

EU Science Hub

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EURL-FCM - Test methods

Food contact material migration methods

Internationally recognised methods, such as [CEN](#) and [ISO](#), should be obtained from the appropriate national bodies.

Overall migration

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- En 1186 : 2002
- Regolamentoo 10/2011
- Potential Guidelines from EU

draft for stakeholder consultation
document shall be relied upon for practical testing

European Commission

JRC SCIENCE AND POLICY REPORTS

Technical guidelines for compliance testing
DRAFT for stakeholder consultation

NON OFFICIAL

*In the framework of
Regulation (EU) No 10/2011
on plastic food contact
materials*

State of play

- Bisogno di standard nuovi per EN 1186: Migrazioni globali (anche specifiche EN13130?)
- Semplificazione
- EN 1186 per gli alimenti secchi?
- Lavoro di non vincolo con la legge e quindi limiti/condizioni di contatto (presenti nella legge)
- Non c'è un mandato EU ufficiale

NOZIONI GENERALI UN ITER DI STANDARDIZZAZIONE?



Siamo laboratori di testing e consulting

- Come condividere la ns esperienza ?
- Come essere portavoci nazionali di esigenze tecniche(nuove e da rivedere)?
- Iter e le regole di standardizzazione come si orientano?

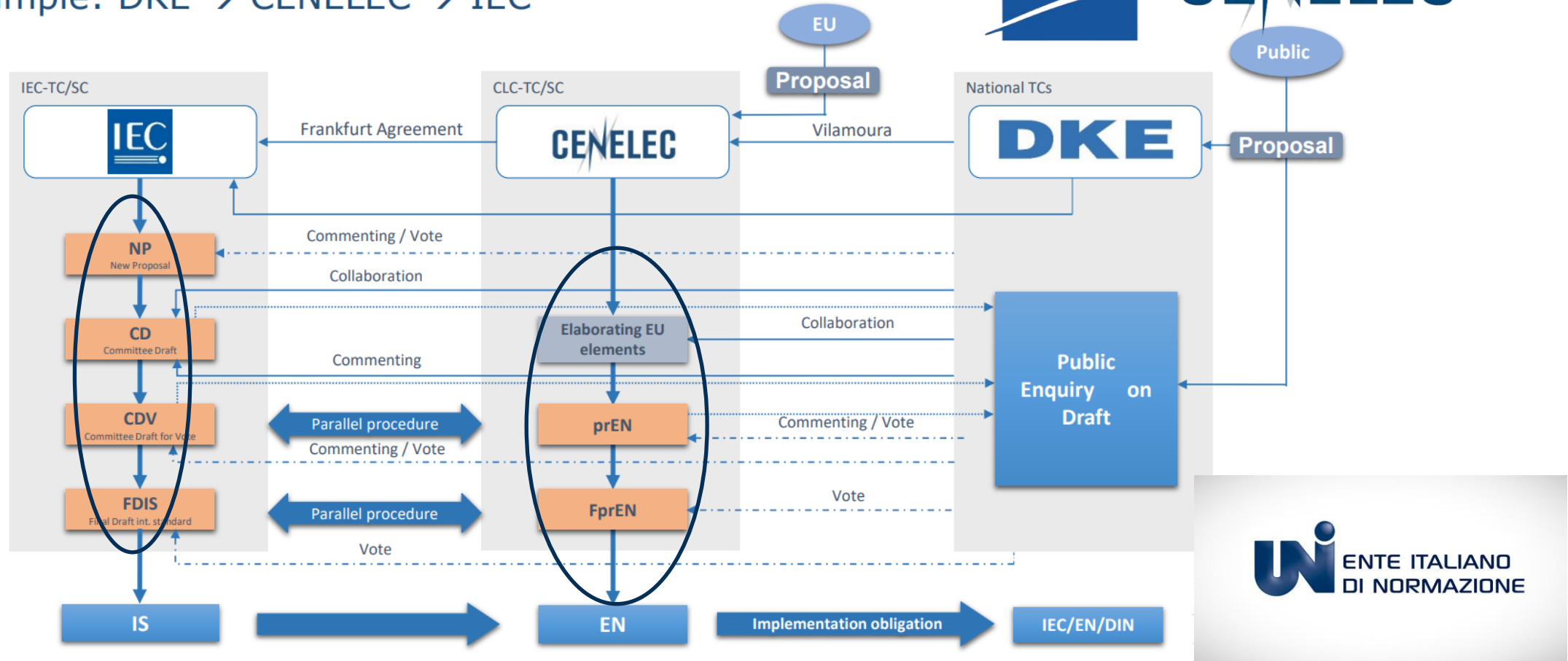
MIRROR: Dal nazionale UNI al CEN

UNI-CT 003-SC 52



Standardization procedure according to Frankfurt Agreement

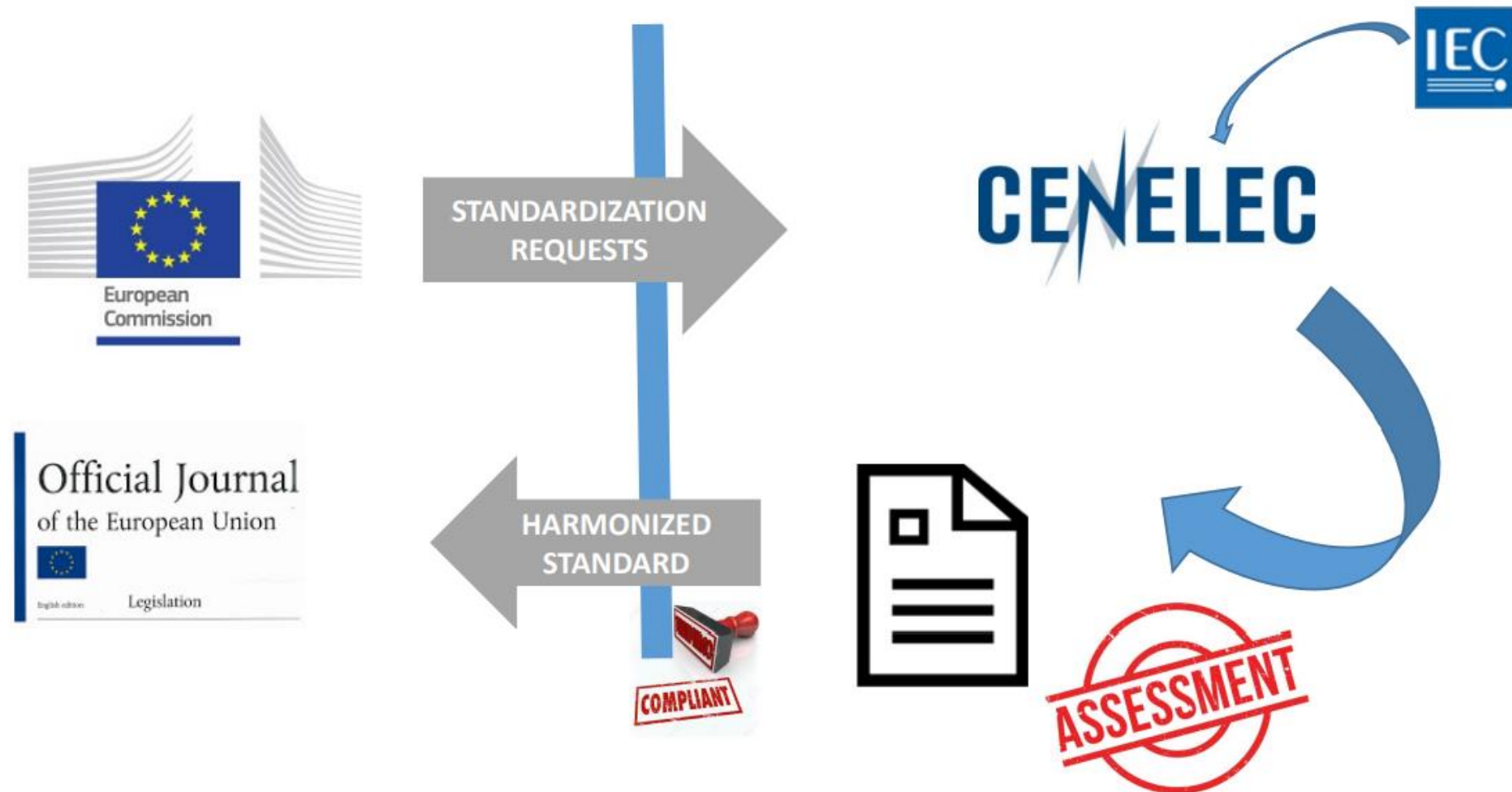
Example: **DKE** → **CENELEC** → **IEC**



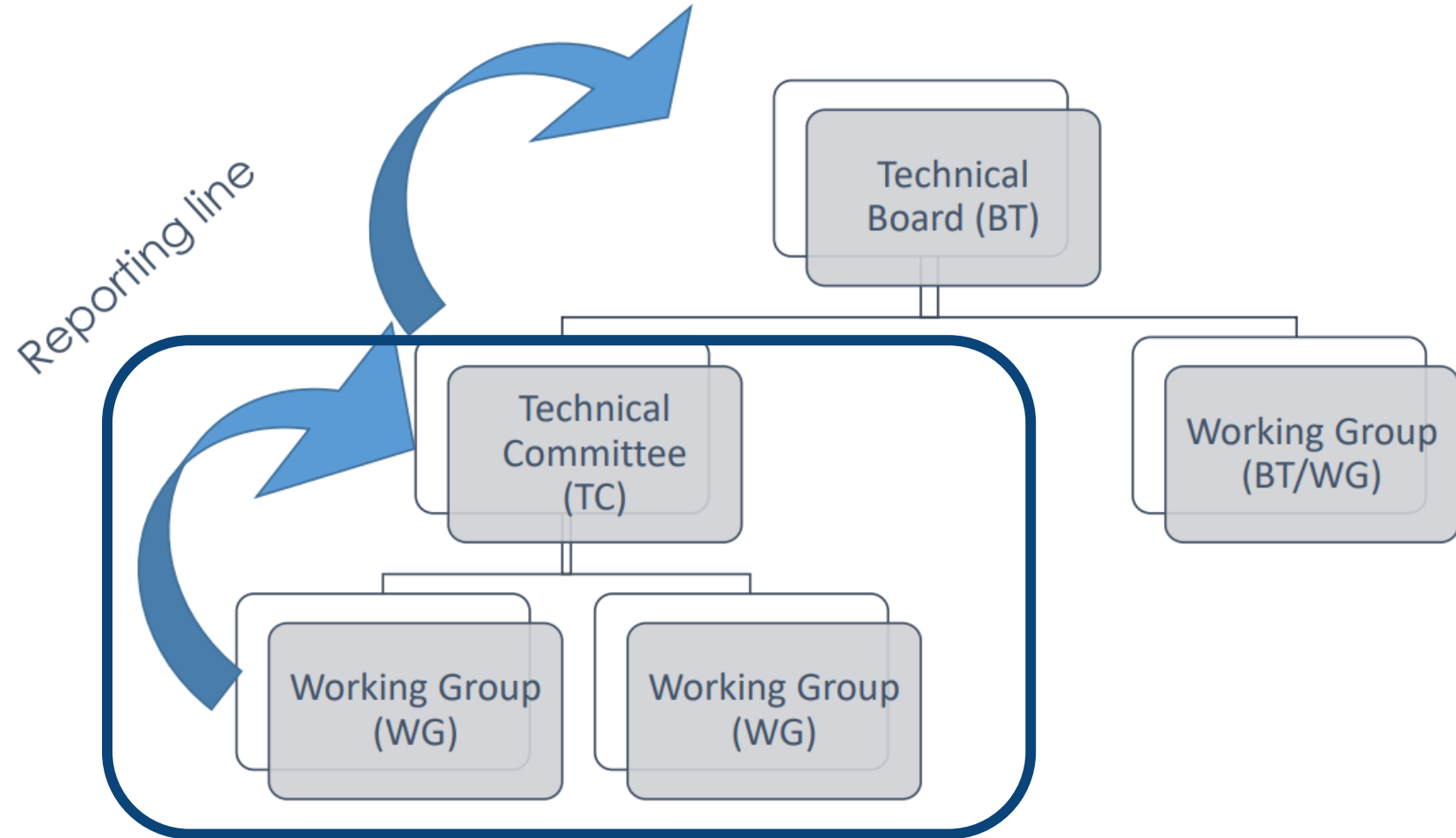
International dimension – Frankfurt Agreement



Link with EU legislation & Standardization Requests

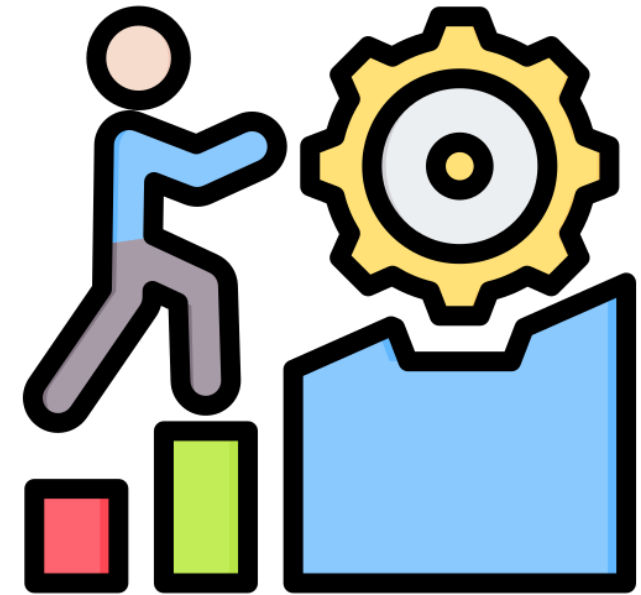


Decision layers at technical level



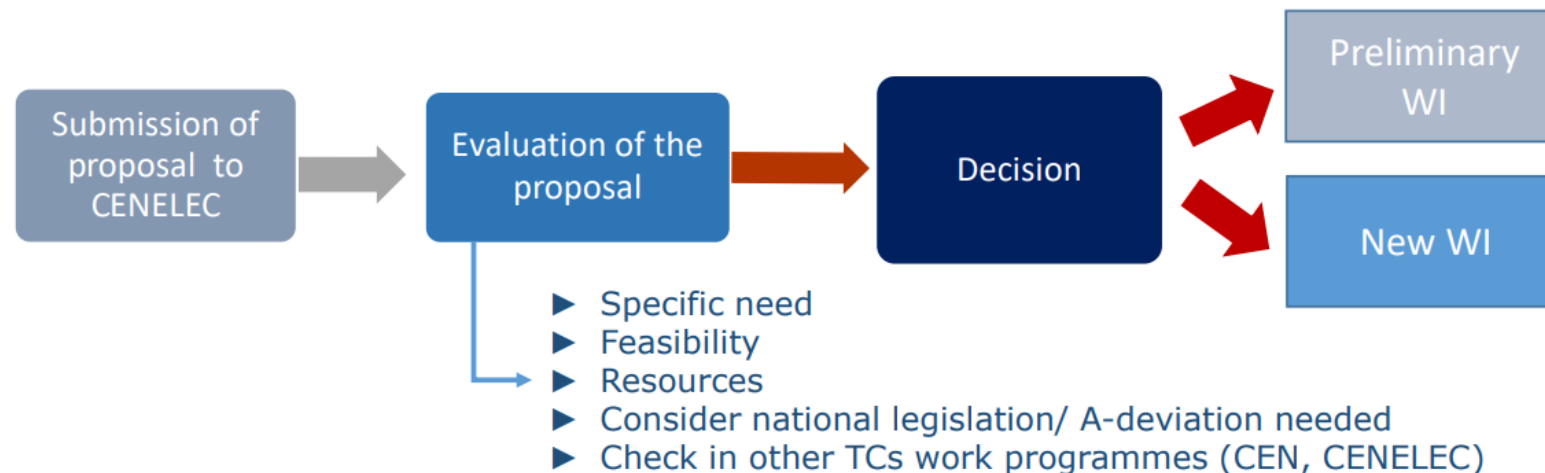
Standards development iter

- Proposal
- Evaluation and decision
- Drafting and consensus building
- Public enquiry
- Consideration of comments
- Approval of the standard
- Publication



Come fare una proposta? Decisione e Valutazione

- Proposals may originate from:
 - Existing Technical Committees
 - European Commission or Agency
 - National Committees (NCs)
 - CENELEC Partner Organizations



TIMELINE : Simulazione teorica



Flexible Timeframe Calculator

Stage Code	Stage	Target date	Duration
10.99	Decision on WI Proposal	<input type="text" value="gg/mm/aaaa"/>	17 weeks
20.60	Circulation of 1st WD	<input type="text" value="gg/mm/aaaa"/>	17 weeks
30.99	Acceptance of ENQ draft	<input type="text" value="gg/mm/aaaa"/>	13 weeks
40.20	Submission to Enquiry	<input type="text" value="gg/mm/aaaa"/>	12 weeks
40.60	Closure of Enquiry	<input type="text" value="gg/mm/aaaa"/>	34 weeks
45.99	Acceptance of FV draft	<input type="text" value="gg/mm/aaaa"/>	10 weeks
50.20	Submission to Formal Vote	<input type="text" value="gg/mm/aaaa"/>	8 weeks
50.60	Closure of Formal Vote	<input type="text" value="gg/mm/aaaa"/>	4 weeks
60.55	DOR/Ratification	<input type="text" value="gg/mm/aaaa"/>	4 weeks
60.60	DAV/Definitive text available	<input type="text" value="gg/mm/aaaa"/>	

- Decine di settimane
- Gli steps prevedono commenti sui draft votazioni e livelli diversi si standard
- Timeline puo' essere diverso in funzione dell'approccio

‘Peso’ di Approvazione

Member country	Weighting	Member country	Weighting
France	29	Switzerland	10
Germany	29	Serbia	7
Italy	29	Croatia	7
United Kingdom	29	Denmark	7
Turkey	29	Finland	7
Poland	27	Ireland	7
Spain	27	Lithuania	7
Romania	14	Norway	7
Netherlands	13	Slovakia	7
Belgium	12	Cyprus	4
Czech Republic	12	Estonia	4
Greece	12	Latvia	4
Hungary	12	Luxembourg	4
Portugal	12	Slovenia	4
Austria	10	FYROM	4
Bulgaria	10	Iceland	3
Sweden	10	Malta	3
		TOTAL	412

‘Prodotti’

- European Standard (EN)
- Technical Specification (TS)
- Technical Report (TR)
- CENELEC Workshop Agreement (CWA)

CEN/TC 194 - UTENSILS IN CONTACT WITH FOOD

- CEN/TC 194/SC 1 - General chemical methods of test for materials and articles intended to come into contact with foods
- CEN/TC 194/WG 1 - Cookware
- CEN/TC 194/WG 2 - Catering containers
- CEN/TC 194/WG 3 - Non-metallic tableware
- CEN/TC 194/WG 4 - Cutlery and related items
- CEN/TC 194/WG 6 - Insulated containers for domestic use in contact with food
- CEN/TC 194/WG 7 - Methods of test for monomers
- CEN/TC 194/WG 8 - Overall migration

CEN TC 194: 88 Prodotti

Committee	Reference, Title
CEN/TC 194	<u>CEN/TR 15356-1:2006 (WI=00194132)</u> Validation and interpretation of analytical methods, migration testing and analytical data for materials and articles in contact with food - Part 1: General considerations
CEN/TC 194	<u>EN 12875-1:2005 (WI=00194129)</u> Mechanical dishwashing resistance of utensils - Part 1: Reference test method for domestic articles
CEN/TC 194	<u>EN 1388-1:1995 (WI=00194052)</u> Materials and articles in contact with foodstuffs - Silicate surfaces - Part 1: Determination of the release of lead and cadmium from ceramic ware
CEN/TC 194	<u>EN 14233:2002 (WI=00194078)</u> Materials and articles in contact with foodstuffs - Plastics - Determination of temperature of plastics materials and articles at the plastics/food interface during microwave and conventional oven heating in order to select the appropriate temperature for migration testing
CEN/TC 194	<u>EN 14916:2005 (WI=00194100)</u> Domestic cookware - Graphical symbols (pictograms)
CEN/TC 194	<u>CEN/TS 13130-10:2005 (WI=00194104)</u> Materials and articles in contact with foodstuffs - Plastics substances subject to limitation - Part 10: Determination of acrylamide in food simulants



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EN 1186 “old”

e.g. EN 1186-2: 2002

APPENDICE ZA (informativa) **RELAZIONE TRA LA PRESENTE NORMA EUROPEA E LA DIRETTIVA DEL CONSIGLIO 89/109/CEE E LA DIRETTIVA DELLA COMMISSIONE 90/128/CEE E LE DIRETTIVE ASSOCIATE**

La presente norma europea è stata elaborata nell'ambito di un mandato conferito al CEN dalla Commissione Europea e dall'Associazione Europea di Libero Scambio (EFTA).

Nota Altri requisiti e altre Direttive UE possono essere applicabili ai prodotti che rientrano nello scopo e campo di applicazione della presente norma.

I punti della presente norma supportano le Direttive 89/109/CEE [1], 90/128/CEE [2], 82/711/CEE [3] e i relativi aggiornamenti 93/8/CEE [4] e 97/48/CE [5] e 85/572/CEE [6].

La conformità alla presente norma fornisce un mezzo per soddisfare i requisiti di migrazione globale della Direttiva interessata e dei regolamenti EFTA associati.

Direttiva della Commissione Europea 90/128/CEE riguardante materiali plastici e articoli destinati a venire in contatto con gli alimenti, [2], in particolare nell'articolo 2.

I materiali e gli oggetti di materia plastica non devono cedere i loro costituenti ai prodotti alimentari in quantità maggiori di 10 milligrammi per decimetro quadrato (mg/dm²) di superficie del materiale o dell'oggetto (limite globale di migrazione). Tuttavia, tale limite è pari a 60 mg di sostanza ceduta per kilogrammo di prodotto alimentare nei seguenti casi:

- a) oggetti che siano recipienti o assimilabili a recipienti o che possano essere riempiti, di capacità non minore di 500 ml e non maggiore di 10 l;
- b) oggetti che possano essere riempiti ma dei quali non è possibile determinare l'area della superficie di contatto con il prodotto alimentare;
- c) coperchi, guarnizioni, tappi o altri dispositivi di chiusura simili.

- Link alla Direttiva
- Condizioni di contatto
- “Limiti di migrazione”

EN 1186 “new”

e.g. EN 1186-2: 2022

EUROPEAN STANDARD

EN 1186-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2022

ICS 67.250

Supersedes EN 1186-2:2002, EN 1186-4:2002, EN 1186-6:2002, EN 1186-8:2002, EN 1186-10:2002, EN 1186-12:2002

English Version

**Materials and articles in contact with foodstuffs - Plastics -
Part 2: Test methods for overall migration in vegetable oils**

Matériaux et objets en contact avec les denrées
alimentaires - Matière plastique - Partie 2 : Méthodes
d'essai pour la migration globale dans les huiles
végétales

Werkstoffe und Gegenstände in Kontakt mit
Lebensmitteln - Kunststoffe - Teil 2: Prüfverfahren für
die Gesamtmigration in Pflanzenölen

This European Standard was approved by CEN on 20 June 2022.

Rispetto alle precedenti edizioni sono state apportate le seguenti modifiche tecniche

eliminato le disposizioni normative inserite nel documento per evitare che il documento risulti obsoleto a seguito di un aggiornamento del regolamento;

ha adattato il metodo di prova alle nuove condizioni definite nel regolamento;

riuniti in un unico documento i 6 standard precedenti che utilizzano oli vegetali come simulanti e che si basano sullo stesso principio di misurazione

EN 1186 iter – Documento N 1 WG8

- **WG 8** "Overall migration" of CEN/TC 194 "Utensils in contact with food"
- CEN/TC 194/WG 8 N 001 **2015/10/27**
- prEN 1186-x " Materials and articles in contact with foodstuffs - Plastics - Part X: test methods for overall migration in evaporable simulants"

UNI – Azioni to CEN (WG 7&8) Gruppo tecnico

- Partecipazione a gruppi di lavoro: WG EU TC194
- Partecipazione ai meeting del TC 194
- Confronto interno e proposte
- Meeting pre covid in UNI Milano: WG 7 (Monomers/Specific Migration) April 2019

- Proposte:

- New EN 13130:

It is suggested as for the EN 1186 Global Migration approach to review all EN 13130 standards and work by dividing EN 13130 into 4:

1. Guide to test and preparative methods (Overlap with EN 13130-1)
2. Target analysis in simulating liquids with clarification of analytical techniques, limits, approaches, etc.
3. QMA quantity analysis
4. Non-target analysis approach (NIAS)

- Proposal EN 1388 (superfici silicate. Determinazione della cessione di piombo e cadmio da materiale ceramico)

Cosa potrebbe arrivare EN?

- prEN1186 Overall migration Tenax: Test methods for overall migration in modified polyphenylene oxide
- Italian proposal of EN 13130-1 : Merge with EN 1186-1?
- Revisione della EN 1186-1 ?
- EN 1388
- ...
- Next meeting CEN 194: 9 March 2023



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Grazie

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